

Propane Fuel



Material Safety Data Sheet

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquefied Petroleum Gas or Propane (0916-0004) (0056-1297)

Product Use: Heating Fuel

Synonyms: Propane, LP-Gas, LPG

Firm Name: Victor Technologies International Inc.

Mailing Address: 2800 Airport Road, Denton, Texas 76207 U.S.A.

Victor Phone Number: (940)566-2000 Fax: (940)381-1222

Emergency Phone Number: CHEMTREC (800)424-9300

Prepared By: Environmental & Safety Manager

Date Prepared: January 1, 1991 Date Revised: September 1, 2012

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)	EXPOSURE LIMITS: 8 HR. TWA			
	OSHA	PEL	ACGIH	TLV
Propane (CAS #74-98-6)		100 ppm		Not listed

SECTION 3 - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: Flammable gas. May cause flash fire or explosion. Contents under pressure. Harmful if inhaled.

POTENTIAL HEALTH EFFECTS:

INHALATION: May cause headaches and dizziness. May cause asphyxiation in high concentrations. Prolonged inhalation may be harmful.

EYE CONTACT: Direct contact with liquefied gas can result in eye burns.

SKIN CONTACT: No hazard in normal industrial use.

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INGESTION: Ingestion not likely, product is a gas at room temperature.

CHRONIC: Unknown.

CARCINOGENICITY: LISTED IN NTP? No IARC? No OSHA Regulated? No

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration and/or give oxygen by trained personnel. Seek medical attention.

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: No emergency care anticipated

SECTION 5 - FIRE FIGHTING MEASURES

Flashpoint (Method): -156EF (ND)

Flammable Limits: Lower: 2.3 Upper: 9.5

Autoignition Temperature: 874EF

GENERAL HAZARD: Flammable gas. Can readily form explosive mixtures at or above the flashpoint. Flashback along vapor trail possible.

FIRE FIGHTING INSTRUCTIONS: Evacuate area and fight fire from a safe distance. DO NOT extinguish a gas fire unless effective immediate shut-off of gas flow is possible. Explosive vapors could form. As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

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EXTINGUISHING MEDIA: DO NOT EXTINGUISH. Use water to cool containers.
Increase ventilation to prevent flammable air mixture.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources including internal combustion engines and power tools. Ventilate area. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing.

SECTION 7 - HANDLING AND STORAGE

Use spark-proof tools and explosion proof equipment. Ground and bond containers when transferring material. Do not reuse this container. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly sealed and promptly returned to a drum reconditioner, or disposed of properly. Keep away from heat, sparks and flame. Store in a cool dry place.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear safety glasses with side shields (or goggles) and a face shield.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: 7600 mmHg @ 80EC Vapor Density (Air=1): 1.5
Specific Gravity: 0.50 Evaporation Rate
Solubility in Water: Negligible (n-Butyl Acetate=1): NA
pH: NA Freezing Point: -306EF
Boiling Point: -44EF
Appearance & Odor: Colorless gas with no odor. If odorized, will have rotten egg odor.

SECTION 10 - STABILITY AND REACTIVITY

GENERAL: Stable

INCOMPATIBLE MATERIALS: Oxidizers

CONDITIONS TO AVOID: Heat, ignition sources.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No toxicity data determined.

SECTION 12 - ECOLOGICAL INFORMATION

Not applicable.

SECTION 13 - DISPOSAL CONSIDERATIONS

Do not attempt to dispose waste or unused material. Return in container properly labeled, with valve protection cap in place to the supplier for proper disposal. Classification required before disposal. Material is classed as ignitable with a RCRA D001 hazardous waste number. Follow all federal, state and local requirements.

SECTION 14 - TRANSPORTATION INFORMATION

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PROPER SHIPPING NAME: Liquefied Petroleum Gas, 2.1 IMO Shipping Name: Propane
HAZARD CLASS: Flammable gas (2.1) IMO Identification Number: 1978
DOT IDENTIFICATION NUMBER: UN 1075
DOT Emergency Guide #: 22
Reportable Quantity (RQ): 2,000,000 pounds (Propane) in a single container.
(Applies to DOT & TPD)

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act) All components are listed on the TSCA inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):
2,000,000 pounds. We recommend you contact local authorities for other reporting requirements.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: Acute, Ignitable, Sudden Release of Pressure.

313 Reportable Ingredients: None

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

SECTION 16 - OTHER INFORMATION

NFPA Hazard Codes

Health: 1

Flammability: 4

Reactivity: 0

HMIS Hazard Codes

Health: 1

Flammability: 4

Reactivity: 0

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FOOTNOTES:

NA - Not Applicable
Corrosive

NE - Data Not Established

CS - Cancer Suspect Agent

OX - Oxidizer

ND - No Data

Cor -

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CALC - Calculated EST - Estimated STEL - Short Term Exposure Limit TLV - Threshold Limit Value

PEL - Permissible Exposure Limit TWA - Time Weighted Average, 8 hours

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. NEITHER THE SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE INFORMATION PRESENTED.